IN THE CLAIMS:

- (previously presented) An alkaline pH, free 1. solution capillary electrophoresis process for analyzing a human biological sample comprising serum protein including albumin and at least one other constituent selected β-globulin, β_1 -globulin, α_1 -globulin, α_2 -globulin, globulin and γ -globulin, said method comprising: introducing the human biological sample into a capillary tube containing a buffer system, wherein said buffer system comprises a buffer and at least one additive having a hydrophobic interaction with said albumin constituent and providing said albumin constituent with negative charge thereby reducing least one electrophoretic mobility of said albumin.
- 2. (previously presented) The method of claim 1, which further comprises separating said protein constituents by migrating and detecting said constituents.
 - (canceled)
- 4. (previously presented) The method of claim 1, wherein the sample is serum, hemolyzed blood, plasma, urine or cerebrospinal fluid.
- 5. (previously presented) The method of claim 1, wherein said constituents are serum proteins.
 - 6. (canceled)
- 7. (original) The method of claim 1, wherein said at least one additive comprises an anionic pole with a pH of more than 9 and a hydrophobic portion.
- 8. (previously presented) The method of claim 1, wherein said additive comprises a hydrophobic portion composed of at least one linear or non linear alkyl chain containing 4 to 22 carbon atoms, and/or at least a combination of 1 to 10 aromatic or non-aromatic cycles, and an anionic pole constituted

by one or more groups selected from sulphonates, carboxylates, sulphates, phosphates and carbonates.

- 9. (previously presented) The method of claim 1, wherein said additive is selected from cholates, C_6 to C_{22} alkylmono-, di- or tri-sulphonates, tetradecenesulphonate, naphthalenesulphonates, C_6 to C_{22} alkymono-, di- or tri-carboxylates, C_6 to C_{22} alkylcarboxysulphonates, naphthalenecarboxylates, C_4 to C_{14} alkylcarboxylates, C_4 to C_{14} alkylcarbonates, benzenesulphonates and benzenecarboxylates.
- 10. (original) The method of claim 1, wherein said additive is a C_6 to C_{10} alkylsulphonate.
- 11. (original) The method of claim 1, wherein said additive is octanesulphonate.
- 12. (original) The method of claim 1, wherein said additive has a concentration in said buffer system in the range of 0.1 mM to 500 mM.
- 13. (original) The method of claim 12, wherein said additive in said buffer system does not exceed the critical micellar concentration of said additive in said buffer.
- 14. (original) The method of claim 1, wherein said additive has a concentration in the range of 1 mM to 4 mM in said buffer system.
- 15. (previously presented) The method of claim 1, wherein said additive has a concentration of about 2.5 mM in the buffer system.
- 16. (previously presented) The method of claim 1, wherein said buffer system has a pH in the range of 9 to 11.
- 17. (original) The method of claim 1, wherein the capillary tube is fused silica.
- 18. (original) The method of claim 1, wherein said buffer system further comprises at least one pH-modifying agent.

- (previously presented) The method of claim 18, 19. wherein pH-modifying agent is selected from the lithium sodium hydroxide, potassium hydroxide, hydroxide, hydroxide, cesium hydroxide, francium hydroxide, or a mono-, di-, tri- or tetra-alkyl ammonium hydroxide containing 1 to 8 carbon atoms in the alkyl portion.
- 20. (previously presented) A method for separating protein constituents in a human biological sample comprising albumin and at least one serum protein selected from α_1 -globulin, α_2 -globulin, β -globulin, β_1 -globulin, β_2 -globulin and γ -globulin, said method comprising passing said serum protein constituents into a capillary containing a buffer system comprising at least one buffer and at least one additive having a hydrophobic interaction with human albumin, wherein the electrophoretic mobility of said albumin is reduced.
- (currently amended) A method for separating protein constituents in a human biological sample comprising albumin and at least one serum protein selected from α_1 -globulin, α_2 -globulin, β -globulin, β_1 -globulin, β_2 -globulin and γ-globulin said method comprising passing said serum protein constituents into a capillary containing a buffer comprising at least one buffer and at least one additive, wherein said additive is a compound comprising an anionic pole with a pH of more than 9 and a hydrophobic portion, wherein said additive reduces the electrophoretic mobility of said albumin .
- 22. (original) The method according to claim 1 or 20 or 21, wherein said buffer system further comprises sodium sulphate.
- 23. (original) The method according to claim 1, wherein said additive is a zwitterionic biological buffer.
- 24. (currently amended) A solution of a buffer system for capillary electrophoresis, which comprises in a liquid

support comprising at least one buffer and an additive selected from cholates, linear C_6 to C_{22} alkyl-mono-, di- or trisulphonates, tetradecenesulphonate, naphthalenesulphonates, C_6 to C_{22} alkylmono-, di- or tri-carboxylates, C_6 to C_{22} alkylcarboxysulphonates, naphthalenecarboxylates, C_4 to C_{14} alkylcarbonates, benzenesulphonates, and benzenecarboxylates that has a hydrophobic interaction with human albumin, said buffer system having a pH between 9 and 11.

- 25. (previously presented) The solution of claim 24, wherein said additive is a linear C_6 to C_{22} alkyl-mono-, dior tri-sulphonate, said buffer having a pH of between 9 and 11.
 - 26. (canceled)
- 27. (previously presented) The solution of claim 24, wherein the additive is a linear C_6 to C_{10} alkylsulphonate.
- 28. (previously presented) The solution of claim 24, wherein said additive is octanesulphonate.
- 29. (previously presented) The solution of claim 25, wherein the additive is a linear C_{ϵ} to C_{10} alkylsulphonate.
- 30. (previously presented) The solution of claim 25, wherein said additive is octanesulphonate.
 - 31. (canceled)
 - 32. (canceled)
 - 33. (canceled)
- 34. (previously presented) The method of claim 1, wherein said additive is a linear $C_6\text{-}C_{10}\text{-}alkylsulphonate}$.
- 35. (previously presented) The method of claim 1, wherein said additive is n-octylsulphonate.
- 36. (new) An alkaline pH, free solution capillary electrophoresis process for analyzing a human biological sample comprising serum protein constituents including albumin and at least one other constituent selected from α_1 -globulin,

 $\alpha_2\text{-globulin},~\beta\text{-globulin},~\beta_1\text{-globulin},~\beta_2\text{-globulin}$ and $\gamma\text{-globulin},$ said method comprising:

human biological sample introducing the capillary tube containing a buffer system wherein said buffer system has a pH in the range of 9 to 11 and wherein said buffer system comprises a buffer and at least one additive selected from cholates, C_5 to C_{22} alkyl-mono-, di- or tri-sulphonates, tetradecenesulphonate, naphthalenesulphonates, to C_{22} tri-carboxylates, C₆ alkymono-, dior alkylcarboxysulphonates, naphthalenecarboxylates, C₄ alkylsulphates, C_4 to C_{14} alkylcarbonates, benzenesulphonates and benzenecarboxylates and having a hydrophobic interaction with said albumin constituent and providing said albumin constituent negative charge thereby reducing with at least one the electrophoretic mobility of said albumin.

Docket No.: EGYP 3.0-018

In the event any fee is due in connection with the present response, the Examiner is authorized to charge Applicant's Deposit Account No. 12-1095 therefor.

Dated: October 20, 2006

Respectfully submitted,

By_

Michael H. Teschner
Registration No.: 32,862
LERNER, DAVID, LITTENBERG,
KRUMHOLZ & MENTLIK, LLP
600 South Avenue West
Westfield, New Jersey 07090

(908) 654-5000 Attorney for Applicant